



**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 1 -- Catchment Information**

Subwatershed: Bear Branch

Location of Catchment Centroid on ADC Map: Year: 2001 Page: 4 Grid: C4

State Plane Coordinates of Outfall Location: X: 1347369 Y: 519477

Closest Road Intersection to Outfall: Van Dusen Road and Cherry Lane

Outfall SDI ID or Outfall Description: drains to ditch at south end of property

Objective: Demonstration / Impairment(s) (Sheet 1) _____

Drainage Area (ac): 22.5 Impervious Area (ac): 7.0

Percent Impervious: 31% Soil Recharge Factor (S): 0.10

WQ_v (required): 0.62 Re_v (required): 0.06

Predominant Land Use: residential/municipal Mean Depth to Ground Water: 1-2 ft

Sanitary System: Septic Municipal Sewer Water Supply: On Site Well Public Water

Storm Drainage System Within Catchment

Piped: 75% Open Channels: 20%

Area Drained by System: 100%

Location in Catchment: Headwaters Middle Lower All

Open Channel Lining- Vegetation: 100% Riprap: 0% Concrete: 0% Other: 0%

Existing IMP(s) / BMP(s)

SDI ID: 85127A Type (number from Sheets 4 & 5): 16 Age: 17

Closest Road Intersection to IMP / BMP: Laurel Place and Cherry Lane

Catchment Area Treated (ac) : 22.5 Percentage Catchment Treated: 100%

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

SDI ID: 85128A Type (number from Sheets 4 & 5): 16 Age: 17

Closest Road Intersection to IMP / BMP: Oxford Drive and Chapel Cove Drive

Catchment Area Treated (ac) : 26.9 Percentage Catchment Treated: 100%

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

SDI ID: _____ Type (number from Sheets 4 & 5): _____ Age: _____

Closest Road Intersection to IMP / BMP: _____

Catchment Area Treated (ac) : _____ Percentage Catchment Treated: _____

WQ_v Provided: YES NO Re_v Provided: YES NO C_p Provided: YES NO

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 1 -- Catchment Information (concluded)**

CATCHMENT SUMMARY

WQ_v (provided): _____

Re_v (provided) : _____

Area Treated (ac): _____

Impervious Area Treated (ac): _____

Area Treated (%): _____

Impervious Area Treated (%): _____

Comments

UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS) FORM 2 -- Site Information

Site Name: Laurel Vol. Fire Dept. Station 10 Address: 7411 Cherry LaneSite Owner: Prince Georges CountyState Plane Coordinates of Site Centroid: X: 1347268 Y: 519659 Date: 3/21/03Personnel: JA, PM Weather: overcast, 55F degArea (ac): 5.8 Impervious Area (ac): 1.8Percent Impervious: 31% Soil Recharge Factor (S): 0.12WQ_v (required): 0.16 Re_v (required): 0.02Property Area (ac): 5.8 Property Area Included in Site: 100 %Amount of Catchment Occupied by Site: 26 %

Storm Drainage System Within Site

Piped: 100% Open Channels: 0% Area Drained by System: 40%Open Channel Lining - Vegetation: 0% Riprap: 0% Concrete: 0% Other: 0%

Existing IMP(s) / BMP(s) (Identified on Page 1, FORM 1, Catchment Information)

SDI ID: _____ Condition: Excellent Good Average Fair PoorSDI ID: _____ Condition: Excellent Good Average Fair PoorSDI ID: _____ Condition: Excellent Good Average Fair Poor

Site Information

Type of Pavement: Bituminous Concrete Gravel Grid Pavers Other _____Pavement Condition: Excellent Good Average Fair PoorUnderdrains can be easily directed to existing storm drains or daylighted: YES NOGutter/Exterior Downspouts Present: YES NORoof Connected Directly to Storm Drain: YES NORoof Drains onto Impervious Surface: YES NOObvious Existing Drainage Problems: Extensive Moderate Average Limited NoneSteep Slopes Present: Extensive Moderate Average Limited NoneExisting Landscaping: Extensive Moderate Average Limited NoneMature / Specimen Trees: Extensive Moderate Average Limited NoneArea Available for Aboveground BMPs: Extensive Moderate Average Limited NoneExisting Cover of Potential Aboveground BMP Locations: Grass Landscaped Gravel Other Pervious
 Pavement Other Impervious

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (concluded)**

Commercial / Institutional

Islands Present: YES NO

Curb Present Around Island: YES NO

Ground Level of Island Relative to Pavement: Above Equal Below

Island Landscaping: Impervious Bare Earth Gravel Grass Mulch Herbaceous Plants Shrubs
 Trees (<2 in. DBH) Trees (2 - 6 in. DBH) Trees (>6 in. DBH)

Trees have sufficient spacing to allow IMPs YES NO

Parking area that can be directed to potential treatment area with little grading: 90%

SITE SUMMARY	
WQ _v (provided) :	Re _v (provided):
Area Treated (ac) :	Impervious Area Treated (ac):
Area Treated (%) :	Impervious Area Treated (%):

Photographs

- No. 380 Description: looking at east side of building
- No. 381 Description: looking at south side of building
- No. 382 Description: looking at east side of property
- No. 383 Description: new parking additions (drained to curb cut)
- No. 384 Description: islands on west side of building
- No. 385 Description: looking at gravel that drains sheet flow from roof
- No. 386 Description: south side of building looking west
- No. 387 Description: north side of building looking west
- No. _____ Description: _____
- No. _____ Description: _____

Comments

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information**



380



381



382



383



384



385

**UPPER PATUXENT RIVER WATERSHED RESTORATION ACTION STRATEGY (WRAS)
FORM 2 -- Site Information (concluded)**



386



387